

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU03/01142

|  |   |  |
|--|---|--|
| <b>A. CLASSIFICATION OF SUBJECT MATTER</b>   |   |  |
| Int. Cl. <sup>7</sup> : C12Q 1/68; C12N 15/00  |   |  |
| According to International Patent Classification (IPC) or to both national classification and IPC  |   |  |
| <b>B. FIELDS SEARCHED</b>  |   |  |
| Minimum documentation searched (classification system followed by classification symbols)<br>SEE ELECTRONIC DATABASE BOX BELOW   |   |  |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched<br>SEE ELECTRONIC DATABASE BOX BELOW   |   |  |
| Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)<br>[WPIDS] [CA] [MEDLINE]: SYSTEM; VECTOR; CONSTRUCT; LIBRARY; KIT; SHRNA; RNAI; SIRNA; RNA; GENE; INTERFER?; DSRNAI; GENETIC VECTORS; HAIRPIN; STEM; LOOP  |   |  |
| <b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>  |   |  |
| Category*  | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No.  |
|  | Morris JC, Wang Z, Drew ME and Englund PT (2 September 2002). Glycolysis modulates trypanosome glycoprotein expression as revealed by an RNAi library. The EMBO Journal 21(17):4429-4438. |  |
| X  | See the entire document.  | 25, 26, 28-33, 35-39   |
| A  |   | 1-24, 27, 34, 40-59  |
| <input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex  |   |  |
| * Special categories of cited documents:<br>"A" document defining the general state of the art which is not considered to be of particular relevance<br>"E" earlier application or patent but published on or after the international filing date<br>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)<br>"O" document referring to an oral disclosure, use, exhibition or other means<br>"P" document published prior to the international filing date but later than the priority date claimed<br>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention<br>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone<br>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art<br>"&" document member of the same patent family |   |  |
| Date of the actual completion of the international search<br>7 October 2003  |   | Date of mailing of the international search report<br>15 OCT 2003            |
| Name and mailing address of the ISA/AU<br>AUSTRALIAN PATENT OFFICE<br>PO BOX 200, WODEN ACT 2606, AUSTRALIA<br>E-mail address: pct@ipaustalia.gov.au<br>Facsimile No. (02) 6285 3929   |   | Authorized officer<br><br>PHILIPPA WYRDEMAN<br>Telephone No : (02) 6283 2554 |

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| C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT |   |   |
|---|---|---|
| Category*   | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No.                                 |
| X<br><br>A  | Wang Z, Morris JC, Drew ME and Englund PT (2000). Inhibition of <i>Trypanosoma brucei</i> gene expression by RNA interference using an integratable vector with opposing T7 promoters. The Journal of Biological Chemistry 275(51):40174-40179.<br><br>See the entire document. | 25, 26, 28-33,<br>35-39<br><br>1-24, 27, 34,<br>40-59 |
| X<br><br>A  | EP 1 229 134 (A2) (NUCLEONICS INC AND MESSAGE PHARMACEUTICALS INC) 07 August 2002.<br><br>See the entire document and in particular paragraphs [0015] and [0113].   | 25-39<br><br>1-24 and 40-59                           |
| A   | WO 00/63397 (A2) (AVENTIS CROPSCIENCE N.V.) 26 October 2000.<br><br>See the entire document.  | 1-59  |
| A   | Brummelkamp TR, Bernards R and Agami R (19 April 2002). A system for stable expression of short interfering RNAs in mammalian cells. Science 269:550-553.<br><br>See the entire document.   | 1-59  |
| P X   | WO 03/046186 (A1) (CENTER FOR ADVANCED SCIENCE AND TECHNOLOGY INCUBATION LTD) 05 June 2003.<br><br>See the entire document and in particular Figure 1/32.   | 8-12, 20-24,<br>48-55                                 |
| P X   | WO 03/046173 (A1) (CENTER FOR ADVANCED SCIENCE AND TECHNOLOGY INCUBATION LTD) 05 June 2003.<br><br>See the entire document and in particular Figure 1/32.   | 8-12, 20-24,<br>48-55                                 |

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

| Patent Document Cited in<br>Search Report |           | Patent Family Member |         |    |         |
|---|-----------|----------------------|---------|----|---------|
| EP  | 1 229 134 | AU                   | 1473502 | CA | 2369944 |
| WO  | 03/046186 | NONE                 |         |    |         |
| WO  | 03/046173 | NONE                 |         |    |         |

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